

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Listing of Claims

1. (Currently amended) A refrigerant cycle apparatus comprising a compressor, a gas cooler, throttling means and an evaporator which are sequentially connected to each other to form a refrigerant circuit, wherein:

the compressor ~~is equipped with~~ includes first and second compression elements in a sealed vessel, and refrigerant compressed in and discharged from the first compression element is taken in the second compression element to be compressed therein and is discharged to the sealed vessel and subsequently to the gas cooler; and

the refrigerant cycle apparatus further comprises

an intermediate cooling circuit which allows the refrigerant discharged from the first compression element to dissipate heat, and the temperature and the pressure of the refrigerant are kept so that the refrigerant does not condense at the output of the intermediate cooling circuit, and

control means for controlling the number of revolutions of the compressor,
wherein the control means controls the number of revolutions of the compressor so that

Amendment under 37 CFR § 1.111
Application No. 10/776,342
Attorney Docket No. 042082

the temperature and the pressure of the refrigerant are kept to prevent the refrigerant from condensing at the output of the intermediate cooling circuit.

2. (Cancelled).

3. (Currently amended) The refrigerant cycle apparatus according to ~~claim 2~~ claim 1,
wherein,

the control means controls the number of revolutions of the compressor based on the temperature of the refrigerant to be suctioned into the second compression element and/or the pressure of the refrigerant to be suctioned into the second compression element.